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Substitute for form 1449A/PTO



INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Complete if Known

Application Number	09/141,220
Filing Date	August 27, 1998
First Named Inventor	Gary A. Bannon
Group Art Unit	164T 1644
Examiner Name	Petley, R. DeCloux, A
Attorney Docket Number	HS 102

Sheet 1 of 6

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	US Patent Document		Name of Patentee or Applicant of Cited Document	Date of Cited Document MM-DD-YYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
AD		5,496,554		Oka, et al.	03-05-1996	
AD		5,314,991		Oka, et al.	05-24-1994	

OTHER ART -- NON PATENT LITERATURE DOCUMENTS

Examiner's Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, cit and/or country where published	T ²
AD		AAS, et al., "Physico-chemical properties and specific activity of a purified allergen (codfish)," <i>Dev. Biol. Stand.</i> 29: 90-98 (1975)..	
AD		BALL, et al., "A major continuous allergenic epitope of bovine beta-lactoglobulin recognized by human IgE binding," <i>Clin. Exp. Allergy</i> 24: 758-764 (1994).	
AD		BEVIER, "Flea Allergy Breakthrough," <i>Canine Practice</i> 22(2-3): 49-50 (1997).	
AB		BOCK, "Natural history of severe reactions to foods in young children," <i>J. Pediatr.</i> 107: 676-680 (1985).	
AB		BOULET, et al. "Inhibitory effects of an anti-IgE antibody E25 on allergen-induced early asthmatic response," <i>Am J Respir Crit Care Med</i> 155:1835-1840 (1997).	
AB		BSAC Working Party, "Position paper on allergen immunotherapy," <i>Clin Exp Allergy</i> 23:1-44 (1993).	

Examine Signature	amy DeCloux	Date Considered	11/16/99
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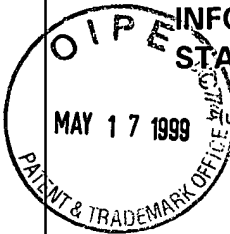
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⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant to place a check mark here if English language Translation is attached.

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		First Named Inventor	Gary A. Bannon
		Group Art Unit	1641
		Examiner Name	Pelley, R.
Sheet 2 of 6	Attorney Docket Number	HS 102	

OTHER ART -- NON PATENT LITERATURE DOCUMENTS			
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AD		BURKS, "Allergenicity of peanut and soybean extracts altered by chemical or thermal denaturation in patients with atopic dermatitis and positive food challenges," <i>J Allergy Clin Immunol</i> 90(6 pt 1): 889-97 (1992).	
AB		BURKS, et al. "Atopic dermatitis: clinical relevance of food hypersensitivity reactions," <i>J. Pediatr.</i> 113: 447-451 (1988).	
AB		BURKS, et al. "Mapping and mutational analysis of the IgE-binding epitopes on Ara h 1, a legume vicilin protein and a major allergen in peanut hypersensitivity," <i>Eur. J. Biochem.</i> 245: 334-339 (1997).	
AD		BURKS, et al. "Recombinant peanut allergen Ara h I expression and IgE binding in patients with peanut hypersensitivity," <i>J. Clinical Invest.</i> 96: 1715-1721 (1995).	
AB		BURKS, et al., "Epitope specificity and immunoaffinity purification of the major peanut allergen, Ara h I," <i>J Allergy Clin Immunol.</i> 93(4): 743-50 (1994).	
AD		BURKS, et al., "Epitope specificity of the major peanut allergen, Ara h II," <i>J Allergy Clin Immunol.</i> 95(2):607-11. (1995).	
AD		BURKS, et al., "Identification and characterization of a second major peanut allergen, Ara h II, with use of the sera of patients with atopic dermatitis and positive peanut challenge," <i>J Allergy Clin Immunol.</i> 90(6 Pt 1): 962-9 (1992).	
AD		BURKS, et al., "Identification of a major peanut allergen Ara h I, in patients with atopic dermatitis and positive peanut challenge," <i>J. Allergy Clin. Immunol.</i> 88:172-179 (1991).	
AB		BURKS, et al., "Identification of peanut agglutinin and soybean trypsin inhibitor as minor legume allergens," <i>Int Arch Allergy Immunol.</i> 105(2):143-9 (1994).	
AD		BURKS, et al., "Isolation, identification, and characterization of clones encoding antigens responsible for peanut hypersensitivity," <i>Int Arch Allergy Immunol.</i> 107(1-3): 248-50 (1995).	

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		First Named Inventor	Gary A. Bannon
		Group Art Unit	1641
		Examiner Name	Pelley, R.
		Attorney Docket Number	HS 102
Sheet	3	of	6

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AN		COLMAN, "Production of proteins in the milk of transgenic livestock: problems, solutions, and successes," <i>Am. J. Clin. Nutr.</i> 63(4): 639S-645S (1996).	
AN		COLMAN, "Production of therapeutic proteins in the milk of transgenic livestock," <i>Biochem. Soc. Symp.</i> 63: 141-147 (1998).	
AD		DAY, "Genetic Modification of Proteins in Food," <i>Critical Reviews in Food Science and Nutrition</i> 36(S):S49-S67 (1996).	
AO		DEJONG, et al., "Food allergen (peanut)-specific TH2 clones generated from the peripheral blood of a patient with peanut allergy," <i>J Allergy Clin Immunol.</i> 98(1): 73-81 (1996).	
AB		ELSAIED, et al., "Synthetic allergenic epitopes from the amino-terminal regions of the major allergens of hazel and birch pollen," <i>Int. Arch. Allergy Appl. Immunol.</i> 89: 410-415 (1989).	
B		ESPANION, "Methods of production and perspectives for use of transgenic domestic animals," <i>DTW Dtsch Tierarztl Wochenschr.</i> 103(8-9):320-8 (1996).	
AB		FAHY, et al. "The effect of an anti-IgE monoclonal antibody on the early- and late-phase responses to allergen inhalation in asthmatic subjects," <i>American J Respir Crit Care Med</i> 155: 1828-1834 (1997).	
AO		FIELDS, et al., "Solid phase peptide synthesis utilizing 9-fluorenylmethoxycarbonyl amino acids," <i>Int J Pept Protein Res.</i> 35(3):161-214 (1990).	
SP		FOSTER, "Allergy Testing for Skin disease in the Cat <i>In Vivo</i> vs <i>In Vitro</i> tests," <i>Veterinary Immunology</i> 4(3): 111-115 (1993).	
AO		GREENE, "Characterization of allergens of the cat flea, <i>Ctenocephalides felis</i> : detection and frequency of IgE antibodies in canine sera," <i>Parasit Immunology</i> 15: 69-74 (1993).	

Examiner's Signature	<i>Amy De la Cruz</i>	Date Considered	11/16/99
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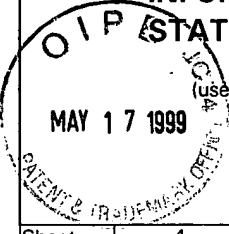
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AB		HALLIWELL, "Aspects of the Immunopathogenesis of Flea Allergy Dermatitis in Dogs," <i>Veterinary Immunology and Immunopathology</i> 17: 483-494 (1987).	
AB		HALLIWELL, "IgE and IgG Antibodies to flea Antigen in Differing Dog Populations," <i>Veterinary Immunology and Immunopathology</i> 8: 215-223 (1985).	
AB		HERIAN, et al. "Identification of soybean allergens by immunoblotting with sera from soy-allergic adults," <i>Int. Arch. Allergy Appl. Immunol.</i> 92: 193-198 (1990).	
AB		HSU et al. "Inhibition of specific IgE response in vivo by allergen-gene transfer," <i>Int Immunol</i> 8:1405-1411 (1996).	
AB		KAMINOOGAWA, "Food allergy, oral tolerance and immunomodulation--their molecular and cellular mechanisms," <i>Biosci. Biotech, Biochem.</i> 60: 1749-1756 (1996).	
AB		MCKEON, "IgG and IgE Antibodies Against Antigens of the Cat Flea, <i>Ctenocephalides Felis Felis</i> in Sera of Allergic and Non-allergic Dogs," <i>Int. J. Parasitology</i> 24(2):259-263 (1994).	
AB		MONERET-VAUTRIN, "Modifications of allergenicity linked to food technologies," <i>Allergy Immunol</i> 30(1): 9-13 (1998).	
AB		NELSON et al., "Treatment of anaphylactic sensitivity to peanuts by immunotherapy with injections of aqueous peanut extract," <i>J. Allergy Clin. Immunol.</i> 99: 744-751 (1997)	
AB		NORMAN, et al., "Multicenter study of several doses of ALLER-VAX® Cat peptides in the treatment of cat allergy," <i>Journal of Allergy and Clinical Immunology</i> 99: S127 (1997).	
AB		OPPENHEIMER et al. "Treatment of peanut allergy with rush immunotherapy," <i>J Allergy Clin Immunol.</i> 90: 256-62 (1992).	

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Gary A. Bannon

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AD		PUCHEU-HASTON, "Allergenic cross-reactivities in flea-reactive canine serum samples," <i>AJVR</i> 57(7): 1000-1005 (1996).	
AD		RAY, "Genetic Modification of Proteins in Food," <i>Critical Reviews in Food Science and Nutrition</i> 36(S):S49-S67 (1996).	
AB		RAZ, et al. "Intradermal gene immunization: the possible role of DNA uptake in the induction of cellular immunity to viruses," <i>Proc Nat Acad Sci USA</i> 91: 9519-9523 (1994).	
AB		ROLFSEN, "Detection of specific IgE antibodies towards cat flea (<i>Ctenocephalides felis felis</i>) in patients with suspected cat allergy," <i>Allergy</i> 42: 177-181 (1987).	
AB		ROONEY, et al., "Antiparallel, intramolecular triplex DNA stimulates homologous recombination in human cells," <i>Proc. Natl. Acad. Sci. USA</i> 92: 2141-2149 (1995)	
AB		SAMPSON et al., "Fatal and near-fatal anaphylactic reactions to food in children and adolescents," <i>N Engl J Med</i> 327: 380-384 (1992).	
AB		SAMPSON, "Food allergy and the role of immunotherapy," <i>J Allergy Clin. Immun.</i> 90:151-52 (1992).	
AB		SAMPSON,, et al. "Mechanisms of food allergy," <i>Annu. Rev. Nutr.</i> 16: 161-77 (1996).	
AB		SCHEMMER, "Efficacy of Alum-Precipitated Flea Antigen for Hyposensitization of Flea-Allergic Dogs," <i>Seminars in Veterinary Medicine and Surgery (Small Animal)</i> 2(3): 195-198 (1987).	
AB		SHANTI, et al. "Identification of tropomyosin as the major shrimp allergen and characterization of its IgE-binding epitopes," <i>J. Immunol.</i> 151, 5354-5363 (1993).	

Examiner's
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Amy DeBlanc

Date

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AD		SHIN, et al., "Biochemical and structural analysis of the IgE binding sites on ara h1, an abundant and highly allergenic peanut protein," <i>J Biol Chem.</i> 273(22):13753-9 (1998)..	
AD		STANLEY, et al. "Identification and mutational analysis of the immunodominant IgE binding epitopes of the major peanut allergen Ara h 2," <i>Arch. Biochem. Biophys.</i> 342, 244-253 (1997).	
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AD		TWARDOSZ, "Molecular Characterization, Expression in Escherichia coli, and Epitope Analysis of a Two EF-Hand Calcium-Binding Birch Pollen Allergen, Bet v 4," <i>Biochem. Biophys. Res. Commun.</i> 239: 197-204 (1997).	
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